

Corpus Christi Army Depot

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About CCAD

- “Cornerstone of Army Aviation”
- Support Army, Navy, Air Force and Marine Corps readiness through repair, overhaul and maintenance of a wide variety of helicopters, engines and components

Challenge

- Greater than 50% of CCAD's operational budget is allocated to parts
 - OEM partnerships are key for Up-tempo
 - Disparate business rules
 - Laborious order entry process (spreadsheets & spiral notebook)
 - High reject and misdirected order rates
 - Production line productivity loss
 - Loss of trust in the process
 - Duplicate orders- drive up inventories and associated costs.

Solution

- SOA Approach
 - Loosely Coupled
 - Separate business logic (OEM Contracts)
 - Developed WSDL & agreement for OEM adoption & exchange
 - Connected to external systems
 - Simplified UI for ease of entry
 - Data validation at UI (data cleansing & ease of use)

Results

- Live w/ Automated Parts Ordering in 6 months
- 100% Operational in 10 months
- 100% Internal training supported (ease of use)
- 13K Orders placed in 2007, 31 Work centers
 - Before APO 3M\$ misdirected orders ('06 /annual burn rate on Sikorsky- just one of the OEM partners)
 - After APO 14K\$ misdirected orders ('07 monthly burn on Sikorsky)*
 - 3 year cost avoidance of 45M\$ (1M\$ investment)
- LMP Accelerator (data cleansing & validation)